

[0038] In one refinement of the aspect the positioning includes engaging a first connection element of the blood glucose meter with a second connection element positioned in the internal receptacle.

[0039] In another refinement of the aspect the transferring includes receiving blood glucose measurement data from the blood glucose meter with the docking device. In one form of this refinement, the blood glucose measurement data is generally received automatically, e.g. seamlessly.

[0040] In another refinement the aspect further includes, in response to receiving the blood glucose measurement data, processing the blood glucose measurement data with the docking device.

[0041] In another refinement the aspect further includes, in response to processing the blood glucose measurement data, at least one of producing a graphical representation of the blood glucose measurement data on the display of the docking device and providing instructions with the docking device to an insulin delivery device.

[0042] In another refinement of the aspect the transferring includes loading one or more events with the docking device onto a schedule stored in the blood glucose meter.

[0043] In another refinement of the aspect providing the docking device includes selecting the docking device from a plurality of portable, handheld docking devices, each of the plurality of docking devices including a display and a housing defining an external profile of the respective docking device and an internal receptacle structured to house the blood glucose meter.

[0044] In another refinement of the aspect each of the plurality of docking devices is independently configured to provide a unique set of diabetes management functions relative to the other of the plurality of docking devices.

[0045] Another refinement of the aspect includes providing a blood glucose measurement on the display of the docking device in response to measuring a blood glucose level with the blood glucose meter when the blood glucose meter is positioned in the internal receptacle of the docking device.

[0046] Another refinement of the aspect includes removing the blood glucose meter from the internal receptacle, measuring a blood glucose level with the blood glucose meter and, in response to measuring the blood glucose level, providing a blood glucose measurement on a display of the blood glucose meter.

[0047] In another aspect, a system includes a portable, stand-alone blood glucose meter. The system also includes a portable, handheld docking device including a display and a housing defining an external profile of the docking device and an internal receptacle in which the blood glucose meter is positionable. When the blood glucose meter is positioned in the internal receptacle a communication interface is defined between the blood glucose meter and the docking device and the external profile of the docking remains substantially unchanged.

[0048] In another aspect, a system includes a portable, stand-alone blood glucose meter. The system also includes a portable, handheld docking device including a display and a housing. The housing includes a sidewall extending between upper and lower surfaces. An internal receptacle is defined by the housing between the upper and lower surfaces and is sized and configured to receive the blood glucose meter. When the blood glucose meter is positioned in the internal receptacle a communication interface is defined between the blood glucose meter and the docking device.

[0049] Another aspect of the present application is a unique system for testing and monitoring blood glucose levels of a diabetic. Other aspects include unique methods, systems, devices, kits, assemblies, equipment, and/or apparatus related to measuring blood glucose levels.

[0050] Further aspects, embodiments, forms, features, benefits, objects, and advantages shall become apparent from the detailed description and figures provided herewith.

BRIEF DESCRIPTION OF THE FIGURES

[0051] FIG. 1 is a partially-exploded, perspective view of one embodiment of a modular diabetes management system including a blood glucose meter and a docking device.

[0052] FIG. 2 is a perspective view of the blood glucose meter of the system of FIG. 1 performing a blood glucose measurement.

[0053] FIG. 3 is a plan view of the blood glucose meter of the system of FIG. 1.

[0054] FIG. 4 is a schematic of the blood glucose meter of the system of FIG. 1.

[0055] FIG. 5 is a perspective view of the modular diabetes management system of FIG. 1 with the blood glucose meter engaged with the docking device.

[0056] FIG. 6 is an alternative perspective view of the modular diabetes management system of FIG. 1 with the blood glucose meter engaged with the docking device.

[0057] FIG. 7 is a schematic of the docking device of the system of FIG. 1.

[0058] FIG. 8 illustrates an example of a scheduling program on the display of the docking of FIG. 1.

[0059] FIG. 9 is a perspective view of the modular diabetes management system of FIG. 1 with the blood glucose meter engaged with the docking device and positioned adjacent to a meal.

[0060] FIG. 10 illustrates an example of a diary log on the display of the docking of FIG. 1.

[0061] FIG. 11 illustrates an example of a training video on the display of the docking device of FIG. 1.

[0062] FIG. 12 illustrates a system that includes a plurality of docking devices engageable with a blood glucose meter.

DETAILED DESCRIPTION OF THE ILLUSTRATED EMBODIMENTS

[0063] For purposes of promoting an understanding of the principles of the invention, reference will now be made to the embodiments illustrated in the drawings and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended, such alterations and further modifications in the illustrated device, and such further applications of the principles of the invention as illustrated therein being contemplated as would normally occur to one skilled in the art to which the invention relates.

[0064] In order to control and more effectively adjust the therapy, level of activity and lifestyle to achieve optimum glycemic control, diabetics need to measure blood glucose levels on a regular basis. Moreover, information based on more than one blood sugar measurement can be useful to diabetics and their health care providers to establish trends, variability, running or absolute averages which can assist in adjusting behavior as well as medication for both insulin and non-insulin dependent diabetics. Various embodiments of the present invention are related to a modular diabetes manage-